

Department: CIVIL ENGINEERING | Date: 15th October 2020

Online Expert Lecture on
**"Nanotechnology Enabled Water Filters: A Sustainable Way for
Point-of-use Water Purification"**
15th October 2020

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Expert Lecture on **"Nanotechnology Enabled Water Filters: A Sustainable Way for Point-of-use Water Purification"** for B.Tech. CE Students under ASCE SVEC Student Chapter on **15th October 2020** through Zoom Platform. The objective of the program is to bring eminent academicians on to the campus to share their knowledge and experiences with the students in the field of civil engineering. This program is helpful for the students to understand environmental engineering and making them aware of the advancements therein.

The resource person was an eminent personality from the academia, **Dr. Shihabudheen M. Maliyekkal**, Assistant Professor, Department of Civil and Environmental Engineering, IIT Tirupati, Tirupati. He explained the ideas and experiences in Environmental Engineering and their Importance; knowledge on Nanotechnology Enabled Water Filters: A Sustainable Way for Point-of-use Water Purification.

A total of **206 students** from II, III and IV B.Tech. Civil Engineering I Semester and **18 faculty members** from the host department were participated in the session. Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC and Faculty Advisor-ASCE SVEC Student Chapter and Convener of the Program; Mr. D. V. Purushotham, Assistant Professor, Coordinator-ASCE SVEC Student Chapter and Coordinator of the Program graced the occasion. Office bearers of ASCE SVEC Student Chapter were the organizers of this program. During the program session, expert has shared his rich knowledge of environmental engineering along with case studies with all the participants.

On the whole, the event was proved successful. Online Expert Lecture is a way of enriching our students with the latest developments in civil engineering by an eminent academician within and beyond curriculum. Further, students will get inspiration from the speaker, provides a chance to students to meet an eminent academician and better interaction between the speaker and the department on various issues.

In addition, **Dr. Shihabudheen M. Maliyekkal** interacted with the Student Office Bearers of ASCE SVEC Student Chapter and faculty of civil engineering and gave suggestions for student chapter and on teaching and research frontiers for faculty. He appreciated the efforts of management, faculty and staff.

The photographs of the session of the program are as follows.



(Dr. O. ESWARA REDDY)

Faculty Advisor
ASCE SVEC Student Chapter
Professor, HoD and Chairman-BOS



SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, Tirupati – 517102
(Affiliated to JNTUA Anantapuramu, Approved by AICTE, Accredited by NBA; NAAC with 'A' Grade)



Online Expert Lecture on

“Nanotechnology Enabled Water Filters: A Sustainable Way for Point-of-use Water Purification”

by

Dr. Shihabudheen M. Maliyekkal

Assistant Professor
Department of Civil and Environmental Engineering
Indian Institute of Technology - Tirupati



October 15, 2020 @ 3:00 pm

Organized by
ASCE SVEC Student Chapter
Department of Civil Engineering

Chief Patrons



Dr. M. Mohan Babu
Chairman, SVET



Sri. Vishnu Manchu
CEO, SVET

Patron



Dr. P. C. Krishnamachary
Principal, SVEC

Convener



Dr. O. Eswara Reddy
Faculty Advisor, ASCE SVEC Student Chapter
HoD and Chairman-BoS, Dept. of Civil Engg.

Coordinator



Mr. D. V. Purushotham
Coordinator
ASCE SVEC Student Chapter

Event Banner



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YouTube link: <https://youtu.be/6ZOjCxAOv8>

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ASCE Hema sr...



Welcome Address by Ms. B. Hema Sree, Chair person, Meeting Committee, ASCE SVEC Student Chapter



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Prof. Eswara ...

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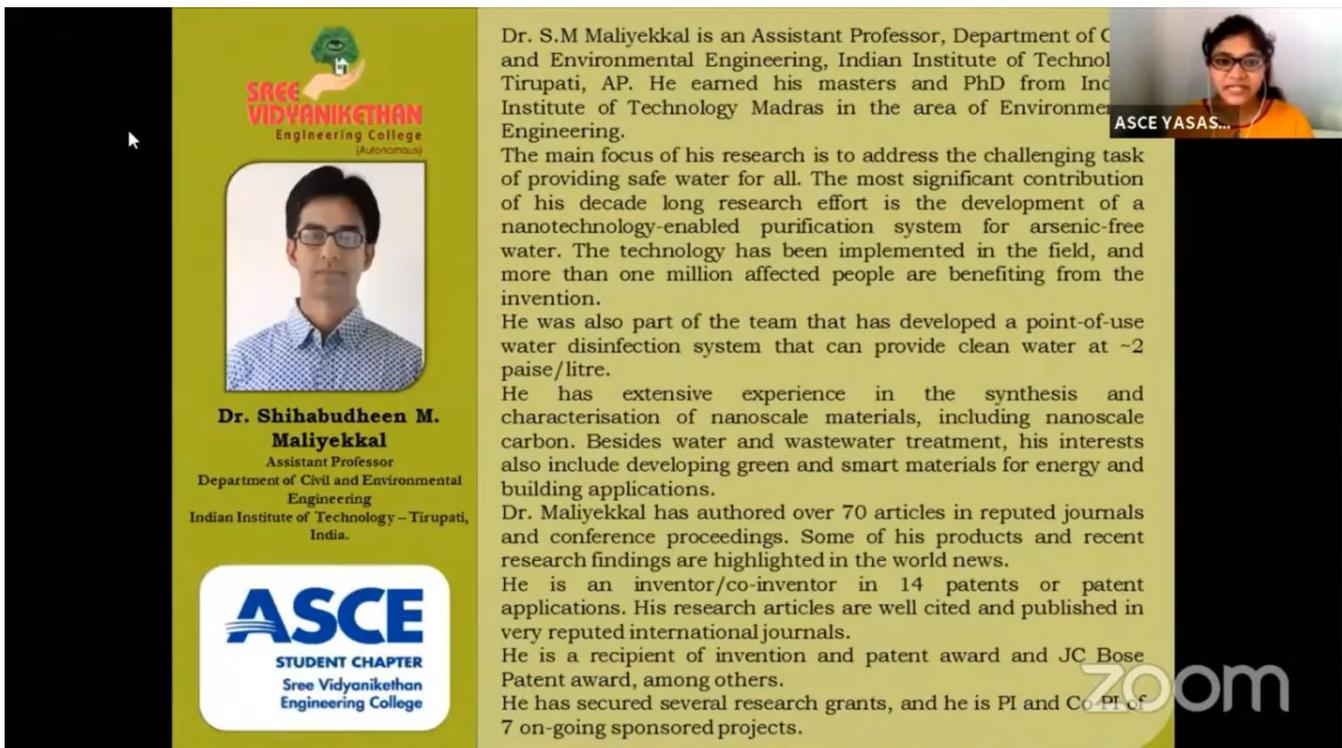
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			 Mr. D. V. Purushotham Coordinator ASCE SVEC Student Chapter

Dr. O. Eswara Reddy, Faculty Advisor, ASCE SVEC Student Chapter; Professor, HoD and BOS Chairman, Dept. of Civil Engineering, SVEC inviting the Expert



SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

Dr. Shihabudheen M. Maliyekkal
Assistant Professor
Department of Civil and Environmental Engineering
Indian Institute of Technology – Tirupati, India.

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Sree Vidyanikethan Engineering College

Dr. S.M Maliyekkal is an Assistant Professor, Department of Civil and Environmental Engineering, Indian Institute of Technology Tirupati, AP. He earned his masters and PhD from Indian Institute of Technology Madras in the area of Environmental Engineering.

The main focus of his research is to address the challenging task of providing safe water for all. The most significant contribution of his decade long research effort is the development of a nanotechnology-enabled purification system for arsenic-free water. The technology has been implemented in the field, and more than one million affected people are benefiting from the invention.

He was also part of the team that has developed a point-of-use water disinfection system that can provide clean water at ~2 paise/litre.

He has extensive experience in the synthesis and characterisation of nanoscale materials, including nanoscale carbon. Besides water and wastewater treatment, his interests also include developing green and smart materials for energy and building applications.

Dr. Maliyekkal has authored over 70 articles in reputed journals and conference proceedings. Some of his products and recent research findings are highlighted in the world news.

He is an inventor/co-inventor in 14 patents or patent applications. His research articles are well cited and published in very reputed international journals.

He is a recipient of invention and patent award and JC Bose Patent award, among others.

He has secured several research grants, and he is PI and Co-PI of 7 on-going sponsored projects.

Introduction of the Speaker by Ms. D. Yasaswini, Corresponding Secretary, ASCE SVEC Student Chapter

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Dr. G. Eswara Reddy, Faculty Advisor, ASCE SVEC Student Chapter, HD and Chairman-Bldg. Dept. of Civil Engg.

Coordinator
Mr. D. V. Purushothaman, Coordinator, ASCE SVEC Student Chapter

Dr. Shihabudheen M. Maliyekkal, Assistant Professor, Department of Civil and Environmental Engineering, Indian Institute of Technology – Tirupati Congratulates to all Students and Faculty

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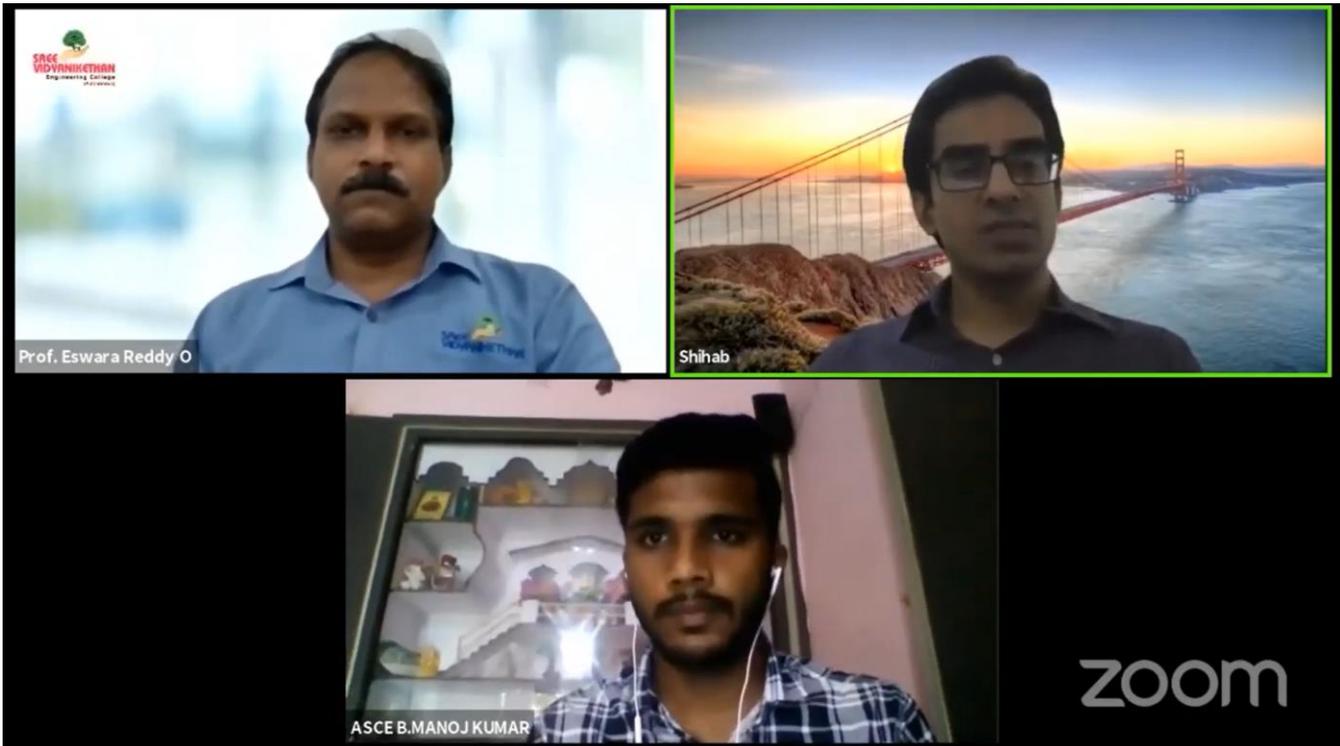
NANOTECHNOLOGY ENABLED WATER FILTERS: A SUSTAINABLE WAY FOR POINT-OF-USE WATER PURIFICATION

Shihabudheen M. Maliyekkal
15 Sep 2020

भारतीय प्रौद्योगिकी संस्थान तिरुपति
TIRUPATI

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<https://iittp.ac.in/dr-shihabudheen-m-maliyekkal>

Dr. Shihabudheen M. Maliyekkal, Assistant Professor, Department of Civil and Environmental Engineering, Indian Institute of Technology – Tirupati delivering an Online Expert Lecture on “Nanotechnology Enabled Water Filters: A Sustainable Way for Point-of-use Water Purification”



Dr. Shihabudheen M. Maliyekkal interacting with Students and Faculty in Q & A Session



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ASCE Sruthi

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 Mr. D. V. Purushothanna Coordinator ASCE SVEC Student Chapter			

zoom

Vote of Thanks by Ms. P. Sruthi, Vice President, ASCE SVEC Student Chapter